Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 – 6 (canceled)

7. (currently amended) An adapter for providing an output DC signal, said adapter comprising:

a PWM generator and a DC to DC converter, said PWM generator generating a PWM signal in response to a feedback signal from an external device representative of a power condition of said external device, said DC to DC converter configured to receive said PWM signal and adjust said output DC signal in response to said PWM signal.

8. (previously presented) The adapter of claim 7, wherein said PWM generator adjusts a duty cycle of said PWM signal in response to said feedback signal.

9. (previously presented) The adapter of claim 7, wherein said power condition of said external device is a power condition of a battery of said external device.

10. (previously presented) The adapter of claim 9, wherein said power condition of said battery is a battery voltage level.

11. (previously presented) The adapter of claim 9, wherein said power condition of said battery is a battery charging current level.

12. (previously presented) The adapter of claim 7, wherein said power condition of said external device is a power requirement of at least one active system of said external device.

13. (currently amended) An electronic device comprising:

a controller configured to generate a feedback signal representative of a power condition of said electronic device, wherein an adapter comprises a PWM generator generating a PWM signal in response to said feedback signal to adjust ~~adjusts~~ an output DC signal from said adapter in response to said feedback signal.

14. (previously presented) The electronic device of claim 13, further comprising a rechargeable battery and wherein said controller provides said output DC signal from said adapter to said rechargeable battery in a battery charging supply mode.

15. (canceled)

16. (previously presented) The electronic device of claim 13, wherein said controller comprises a serial data interface and said feedback signal comprises a serial data signal.

17. (previously presented) The electronic device of claim 13, wherein said controller comprises an analog interface and said feedback signal comprises an analog signal.

18. (previously presented) The electronic device of claim 13, wherein said controller comprises a modulation circuit to modulate said feedback signal on top of said DC signal.

19. (previously presented) The electronic device of claim 13, wherein said power condition of said external device is a power condition of a rechargeable battery of said external device.

20. (previously presented) The electronic device of claim 19, wherein said power condition of said rechargeable battery is a battery voltage level.

21. (previously presented) The electronic device of claim 19, wherein said power condition of said rechargeable battery is a battery charging current level.

22. (previously presented) The electronic device of claim 13, wherein said power condition of said external device is a power requirement of at least one active system of said electronic device.

23. (previously presented)A method of adjusting a DC power signal from an adapter, said method comprising:

monitoring a power condition of an external device coupled to said adapter;

providing a feedback signal to said adapter representative of said power condition of said external device;

adjusting a PWM signal generated by said adapter in response to said feedback signal; and

adjusting said DC power signal provided by said adapter in response to said PWM signal.

24. (previously presented l) The method of claim 23, wherein said power condition of said external device is a power condition of a rechargeable battery of said external device.

25. (previously presented) The method of claim 24, wherein said power condition of said rechargeable battery is a battery voltage level.

26. (previously presented) The method of claim 24, wherein said power condition of said rechargeable battery is a battery charging current level.

27. (previously presented) The method of claim 23, wherein said power condition of said external device is a power requirement of at least one active system of said external device.

28. (previously presented) The method of claim 23, wherein said feedback signal comprises an analog signal.

29. (previously presented) The method of claim 23, wherein said feedback signal comprises a serial data signal.

Amendments to the Drawings:

Attached hereto in **Appendix A** is "replacement" sheet 1. The designation of "replacement sheet" indicates changes were made to the sheet as compared to the formal drawing. For FIG. 2 of sheet number 1, Applicants have added "PWM generator" and "DC to DC converter" blocks in the adapter 32. Support for such drawing change can be found throughout the specification including page 6, lines 14 to 18. No new matter has been entered.

Applicants have cancelled, without prejudice, claim 15 which had reference to "at least one error amplifier." Accordingly, Applicants submit no drawing amendment related to the "error amplifier" is now necessary. Applicants have made these amendments to FIG. 2 in an earnest effort to address each of the Examiner's objections to the drawings. Applicants respectfully submit that the Examiner's objections to the drawings have been overcome by the amendments to FIG. 2 and by canceling, without prejudice, claim 15.

Attachment: Appendix A "replacement" sheet 1.